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Patent claims

- 5 1. A method for operating a four-stroke internal combustion engine, having the following features:
 - fuel is injected directly into at least one combustion chamber of the internal combustion engine, the volume of which changes cyclically,
- fresh gas is supplied through at least one intake valve and combustion exhaust gas is discharged through at least one exhaust valve,
 - at part-load, a lean base mix of air, fuel and retained exhaust gas is formed, and at full load a stoichiometric mix is formed,
- compression ignition takes place at part-load and spark ignition takes place at full load, characterized in that in the event of a change in load state, the theoretical shift in the combustion position
 is compensated by the shift in the phase position of intake and/or exhaust phase.
- The method as claimed in claim 1, characterized in that the combustion is shifted in the early direction
 by adjusting the exhaust phase in the early direction, with the exhaust valve being opened earlier.
- 3. The method as claimed in claim 1 or 2, characterized in that the combustion is shifted in the 30 early direction by the intake phase being adjusted in the late direction, with the intake valve being opened later.